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9 DECEMBER 2025

EN-BUZZER

Daily News Analysis

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TUESDAY, 9th DECEMBER 2025

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1. Directorate General of Civil Aviation (DGCA)

- **Prelims** - Directorate General of Civil Aviation (DGCA)
- **Mains** - GS 2 - Governance (Regulatory Bodies) & GS 3 - Economy (Aviation Sector)

Why in the news?

- DGCA issued show cause notice to IndiGo Airline company on their large scale operation disruptions recently.

Directorate General of Civil Aviation (DGCA)


- **What is it?**: DGCA is the **regulatory body for civil aviation** in India, which is responsible for **air safety, airworthiness, licensing, and aviation regulation**.
- **Nodal Ministry**: Ministry of Civil Aviation (MoCA)
- **Key Functions**:
 - **Regulation and Safety oversight**
 - **Licensing** of pilots, aircraft engineers, air traffic controllers, flight dispatchers, etc.
 - **Certifies** aircraft, aircraft components, and maintenance organizations.
 - **Grants permits** to airlines (scheduled/non-scheduled).
 - Conducts **preliminary investigations** into aircraft accidents/incidents within India.
- **Recent Initiatives**:
 - **eGCA Portal**: Digital platform for licensing, approvals, and services to enhance transparency.
 - **Strict Safety Oversight** after ICAO audits and FAA assessments.
 - Implementation of **Civil Aviation Requirements (CARs)** for drones, safety, training, and operations.



2. Measles

- Prelims - Measles
- Mains - GS 2 -Social Justice (Heath) & GS 3 - S&T(Communicable Diseases)

Measles




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Why in the news?

- Despite a highly effective vaccine, measles caused approximately 95,000 deaths globally in 2024.

Measles

- **Cause:** Measles is a highly contagious viral disease.
- **Transmission:** Measles is transmitted via droplets from the nose, mouth or throat of infected persons.
- **Prevention:** Routine measles vaccination for children, combined with mass immunization campaigns in countries with low routine coverage, are key public health strategies to reduce global measles deaths.
- **Efforts:** Under the Global Vaccine Action Plan, measles and rubella are targeted for elimination in five WHO Regions



SYMPTOMS OF MEASLES

- Dry Cough & Runny Nose
- Body Pains & Headache
- Sore Throat
- Watery & Swelling in Eyes
- Discomfort & Fatigue
- Loss of Appetite
- Diarrhea
- Light Sensitivity
- Inflammation in Lymph Nodes
- Koplik's Spots (blue & red spots in the mouth)

7994058393
www.enliteias.com | enliteias@gmail.com



3. Export Promotion Mission

- **Prelims** - Export Promotion Mission
- **Mains** - GS 2 - Governance (Policy measures) & GS 3 - Economy (Export Sector)

Why in the news?

- India launched the Export Promotion Mission.

Export Promotion Mission

- **What is it?**: The Export Promotion Mission is a government initiative that acts as an **umbrella mechanism** to coordinate export-related policies, infrastructure, logistics, and support systems across ministries, states, and export councils.
- **Aim:** **Boosting India's exports**, improving competitiveness, and achieving the long-term vision of making India a major global trading hub.
- **Nodal Ministry:** Guided by the Department of Commerce, **Ministry of Commerce & Industry**
- **Key Features:**
 - Provides a **structured mechanism for aligning policies** related to exports by ministries, state govts and Industry bodies.
 - Identification of Priority Export Sectors and **Strengthening Export Infrastructure**.
 - **Addressing Non-Tariff Barriers** like Sanitary & phytosanitary (SPS) measures and Technical barriers to trade (TBT) and help exporters to comply with them.
 - **Single-window systems for exporters**- enabling digitisation of export documentation and certification.



4. Biostimulants

- **Prelims** - Technology Development Fund (TDF)
- **Mains** - GS 3 - S&T (Biotechnology)

Why in the news?

- Biostimulants offer a sustainable alternative to chemical agricultural fertilizers in India.

Biostimulants

- **What are Biostimulants?**
 - *Biostimulants are substances or micro-organisms that stimulate natural plant processes independent of nutrient content.*
 - They enhance nutrient uptake, stress tolerance, crop quality and improve resilience under climate variability.
 - They are part of **eco-friendly, sustainable agriculture inputs.**
- **Role and Benefits:**
 - **Improved Nutrient Use Efficiency:** Promote better nutrient absorption, assimilation and mobilisation.
 - **Soil Health & Carbon Sequestration:** Enhance soil structure and fertility and support carbon sequestration, crucial for climate mitigation.
 - **Climate Resilience:** Help plants withstand drought, salinity, heat/cold stress.
 - **Biodiversity Enhancement:** Support soil microbes, improving ecological balance.
 - **Circular Bioeconomy:** Many products come from agri/food industry waste, adding value to waste streams.
 - **Alignment with SDGs:** Support
 - ★ SDG 2 (Zero Hunger)
 - ★ SDG 13 (Climate Action)
 - ★ SDG 15 (Life on Land)
 - ★ SDG 12 (Responsible Consumption & Production)
- **Challenges in Adoption**
 - Limited awareness among farmers.
 - Gaps in scientific understanding of plant responses.
 - Variable performance across soil types and agro-climatic zones.
 - Weak extension services; inadequate field demonstrations.



→ Market flooded with unregulated/substandard products, reducing trust.

- **Regulation in India**

- **FCO Amendment 2021**

- ★ Added under Fertiliser Control Order (Clause 20C).
 - ★ Schedule VI classifies biostimulants into 9 categories.

- **Crop-wise share**

- ★ Vegetables 50%, cereals 18%, pulses & oilseeds 15%, fruits 9%, cash crops 7%.

- **Approval Requirements**

- ★ Multi-location trials, toxicity studies, chemical profiling, heavy metal analysis.

- **Way Forward**

- Build farmer awareness, digital extension.
 - Strengthen R&D on plant physiology & formulations.
 - Streamlined approvals; strong quality control.
 - Infrastructure for seaweed and agro-waste processing.
 - Credit, subsidies for adoption.
 - Public-private partnerships & startup support.



5. DHRUVA Framework

- Prelims - DHRUVA Framework
- Mains - GS 2 - Governance (e-Governance) & GS 3 - Economy (Taxation and Revenue)

Why in the news?

- The India Posts introduced the DHRUVA framework.

DHRUVA Framework

- **Expansion of Abbreviation:** DHRUVA stands for **Development of Harmonized Rules, Understanding, Verification & Assessment**.
- **What is it?:** It acts as a unified framework for monitoring, assessing, and enforcing tax rules across indirect and direct tax systems to **standardize and improve tax administration**, enhance compliance, and ensure transparency.
- **Nodal Ministry:** Initiative by the Department of Revenue, **Ministry of Finance**
- **Key Components:**
 - **Standardization of tax rules** to remove ambiguity- leading to reduced litigations.
 - Clear **categorization** and classification of **taxpayers**.
 - **Data analytics-driven verification** of taxpayer profiles- Cross-verification using GSTN data, Income-tax portal and Financial intelligence databases.
 - **Objective, digital, and faceless assessment** to reduce harassment and corruption.